TECHNICAL
EDUCATION
ACADEMY

School of Engineering

COURSE PROGRAMME

000645

Oil production and processing facilities

In the course "Oil production and processing facilities" oil processing and the adaptation of industrial technological equipment to established standards will be discussed.



Learn from the Best in the Business!

Course overview

Duration: 5 days / 40 hours · Foundation level

Why take this course

In the course "Oil production and processing facilities" oil processing and the adaptation of industrial technological equipment to established standards will be discussed.

Participants will gain an overall understanding of the oil extraction and processing system. This course will cover the entire system from the wellhead to the production of a specific petroleum product. Participants will learn about methods for selecting and evaluating processes and equipment to meet the technical conditions imposed on fluids, as well as ways to apply correlations of physical and thermodynamic properties. They will also learn about the principles of designing and evaluating technological facilities for oil extraction and processing, methods for calculating equipment selection relative to the main production equipment, and ways to assess technological configurations for various applications.

Who it is for and how it helps

Process engineers/technical operation engineers and senior technical staff involved in the design and operation of facilities for oil treatment and associated water handling.

What you will learn

- Apply the fundamentals of oil and gas extraction methods
- Explain the principles of operation and conditions for the preparation of oil and gas
- Understand the technology of the main equipment and the differences in extraction methods at offshore fields
- Define the fundamentals of process control
- Develop and explain the standard safety system scheme
- Explain the basic methods of conducting measurements, issues regarding corrosion, its prevention, and control

Programme instructor



Ayman Khaled

A strategic, collaborative, and proven change leader of multi-discipline Local and international experience With more than twenty years in managerial capacity in several multinational organizations Lived and Worked in Egypt, North Africa, Caspian See, South-East Asia, and Arabian Gulf Area Demonstrated ability to drive top and bottom-line results to world class levels through focus on people, process, and systems

Passion for talent development making supply chain a competitive advantage for the business.

Extensive experience in Leading major drilling and workover projects and proven history in oil and gas huge drilling & workover projects. Showed high operations' managerial support and effective strategic planning

Instrumental in design and implementation of reinvention projects, initiative-taking, professional with leadership skills while a dynamic member in the local and regional petroleum engineering societies

Experience in major companies' integrations with strong focus on creating a focused one company culture, strong financial delivery, best in class Safety, Quality and Compliance processes and transforming business processed to a competitive advantage

Capability to lead diverse cultures and virtual teams with wide people leadership experience after having different global exposure/experience across North Africa , Middle east & SEA.

Training developer designing blended learning solutions and competency assurance management system projects.

Participation and contacts

Joining the programme

Contact the Academy and quote course code 000645 to confirm dates, delivery format, prices and enrolment terms.

Training for your team

Tell us your business goals, the roles and number of participants, and your preferred dates and location. This will help us discuss the right training option.

Preparing for the programme

The published programme does not specify any prerequisites. Contact us before enrolling to confirm how to prepare.

Discuss your training needs

mail@tecedu.org
www.tecedu.academy

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